

THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS

1. A clamp including:

two opposing jaws located with respect to each other so as to be pivotally engaged at adjacent ends,

5 biasing means arranged to provide a separating bias to separate the free ends of said jaws apart,

at least one threaded rod extending between said jaws wherein said rod is pivotally engaged to one of said jaws intermediate the ends thereof, and wherein said rod passes through said other jaw, said rod further having at a free end a
10 threaded portion extending the length of movement of said jaws towards each other, and

a stop rotatable along said threaded portion so as to adjust the separation between said free ends of said jaws by resisting the outward movement of said opposing jaws due to said separating bias.

15 2. A clamp as claimed in claim 1, wherein at least one opposing jaw includes a gripping portion, said gripping portion including a first gripping surface having a first profile adapted to engage support members of varying size and shape.

3. A clamp as claimed in claim 2, wherein said gripping portion further includes a removable insert, said insert adapted to be positioned adjacent with said first
20 gripping surface to provide a variable gripping depth between said opposing jaws.

4. A clamp as claimed in claim 3, wherein said insert further includes a second gripping surface, said second gripping surface having a second profile adapted to engage support members of varying size and shape that are smaller than those support members engaged by said first gripping surface.

25 5. A clamp as claimed in any one of claims 2 to 4, wherein said gripping portion is formed from elastomeric material.

6. A clamp as claimed in claim 3 or 4, wherein said insert is formed from elastomeric material.

7. A clamp as claimed in claim 5 or 6, wherein said elastomeric material is neoprene.

5 8. A clamp as claimed in any one of the preceding claims, wherein said rotatable stop includes a knob that has two regions along its length wherein a first region provides a surface shape adapted for being manually turned to provide a high torque to open or close said jaws and a second region provides a surface shape adapted for being manually turned to provide relatively lower torque to open or close said jaws.

10 9. A clamp as claimed in claim 8, wherein said first region includes a pair of opposed wings centred about the axis of rotation of said knob.

10. A clamp as claimed in claim 8 or 9, wherein said second region includes a substantially hemispherical domed portion centred about the axis of rotation of said knob.

15 11. A clamp as claimed in any one of the preceding claims, wherein said biasing means is a leaf spring, said leaf spring having opposed arms each engaging an opposing jaw to provide a separating bias.

12. A clamp as claimed in any one of the preceding claims, wherein an outer surface of a jaw is adapted for non-slip engagement with a substantially flat surface
20 wherein said non-slip surface is located substantially opposite the location of said stop on said other jaw.

13. A clamp as claimed in any one of the preceding claims, wherein said clamp further includes mounting means for mounting of a device, said mounting means located adjacent to said bias means and wherein said mounting means provides a
25 pivotable connection between said clamp and said mounted device.